



Biblioteca del Campus del Baix Llobregat
UNIVERSITAT POLITÈCNICA DE CATALUNYA



ENGINY20

Biblioteca del Campus del Baix Llobregat

Informe bibliomètric bimestral.

Gener-febrer 2018

Informe bibliomètric bimestral Campus Baix Llobregat.

Base de dades Scopus. Gener-febrer 2018¹

EETAC

Aghajan, H., Prati, A., [Gomez, C.](#), & Augusto, J. C. (2018). Preface. *Journal of Ambient Intelligence and Smart Environments*, 10(1), 1-2. [10.3233/AIS-180473](#)

Cardador, D., Segura, D., & [Rodríguez, A.](#) (2018). Photonic molecules for improving the optical response of macroporous silicon photonic crystals for gas sensing purposes. *Optics Express*, 26(4), 4621-4630. [10.1364/OE.26.004621](#)



[Gomez, C.](#), Arcia-Moret, A., & Crowcroft, J. (2018). TCP in the internet of things: From ostracism to prominence. *IEEE Internet Computing*, [10.1109/MIC.2018.112102200](#)

Guenther, N., [Massignan, P.](#), Lewenstein, M., & Bruun, G. M. (2018). Bose polarons at finite temperature and strong coupling. *Physical Review Letters*, 120(5) [10.1103/PhysRevLett.120.050405](#)

Ma, X., Orloff, N. D., Little, C. A. E., Long, C. J., Hanemann, I. E., Liu, S., [Mateu, J.](#), Booth, J. C., Hwang, J. C. M. (2018). A multistate single-connection calibration for microwave microfluidics. *IEEE Transactions on Microwave Theory and Techniques*, 66(2), 1099-1107. [10.1109/TMTT.2017.2758364](#)

Maffei, M., Dauphin, A., Cardano, F., Lewenstein, M., & [Massignan, P.](#) (2018). Topological characterization of chiral models through their long time dynamics. *New Journal of Physics*, 20(1) [10.1088/1367-2630/aa9d4c](#)



¹ Articles obtinguts a la base de dades Scopus. Data de la cerca 01/03/2018

- [Mellibovsky, F.](#), Prat, J., Notti, E., & Sala, A. (2018). Otterboard hydrodynamic performance testing in flume tank and wind tunnel facilities. *Ocean Engineering*, 149, 238-244. [10.1016/j.oceaneng.2017.12.034](#)
- Mitsche, D., & [Rué, J.](#) (2018). Corrigendum to "On the limiting distribution of the metric dimension for random forests" (european journal of combinatorics (2015) 49 (68–89) (S0195669815000517)). *European Journal of Combinatorics*, 67, 275-277. [10.1016/j.ejc.2017.07.001](#)
- Oñate, E., [Zárate, F.](#), Celigueta, M. A., González, J. M., Miquel, J., Carbonell, J. M., Arrufat, F., Latorre, S., Santasusana, M. (2018). *Advances in the DEM and coupled DEM and FEM techniques in non linear solid mechanics* [10.1007/978-3-319-60885-3_15](#)
- Pons-Prats, J., Bugada, G., [Zarate, F.](#), Oñate, E., & Periaux, J. (2018). *Applying multi-objective robust design optimization procedure to the route planning of a commercial aircraft* [10.1007/978-3-319-54490-8_10](#)
- Qiao, J. C., Chen, Y. X., Pelletier, J. M., Kato, H., [Crespo, D.](#), Yao, Y., & Khonik, V. A. (2018). Viscoelasticity of cu- and la-based bulk metallic glasses: Interpretation based on the quasi-point defects theory. *Materials Science and Engineering A*, 719, 164-170. [10.1016/j.msea.2018.02.046](#)
- Repecho, V., Biel, D., [Olm, J. M.](#), & Fossas, E. (2018). *Sliding mode control of power converters with switching frequency regulation* [10.1007/978-3-319-62896-7_16](#)
- Rojas, J. I., Venkata Siva, B., Sahoo, K. L., & [Crespo, D.](#) (2018). Viscoelastic behavior of a novel aluminum metal matrix composite and comparison with pure aluminum, aluminum alloys, and a composite made of Al–Mg–Si alloy reinforced with SiC particles. *Journal of Alloys and Compounds*, 744, 445-452. [10.1016/j.jallcom.2018.02.103](#)
- Rumipamba-Zambrano, R., Perelló, J., Gené, J. M., & [Spadaro, S.](#) (2018). Cost-effective spatial super-channel allocation in flex-Grid/MCF optical core networks. *Optical Switching and Networking*, 27, 93-101. [10.1016/j.osn.2017.10.001](#)

[Salamí, E.](#), Barrado, C., Gallardo, A., & Pastor, E. (2018). General queuing model for optimal seamless delivery of payload processing in multi-core processors. *Journal of Supercomputing*, 74(1), 87-104. [10.1007/s11227-017-2109-4](https://doi.org/10.1007/s11227-017-2109-4)



[Serna, L. Y.](#), Mañanas, M. A., Hernández, A. M., & Rabinovich, R. A. (2018). An improved dynamic model for the respiratory response to exercise. *Frontiers in Physiology*, 9(FEB) [10.3389/fphys.2018.00069](https://doi.org/10.3389/fphys.2018.00069)

[Vila-Valls, J.](#), Closas, P., Fernandez-Prades, C., & Curran, J. T. (2018). On the ionospheric scintillation mitigation in advanced GNSS receivers. *IEEE Transactions on Aerospace and Electronic Systems*, [10.1109/TAES.2018.2798480](https://doi.org/10.1109/TAES.2018.2798480)

ESAB

AboliGhasemabadi, M., Mbarek, W. B., Casabella, O., Roca-Bisbe, H., [Pineda, E.](#), Escoda, L., & Suñol, J. J. (2018). Application of mechanically alloyed MnAl particles to decolorization of azo dyes. *Journal of Alloys and Compounds*, 741, 240-245. [10.1016/j.jallcom.2018.01.131](https://doi.org/10.1016/j.jallcom.2018.01.131)

Carleton, L. A., Chakravarthy, R., van der Sloot, A. M., Mnich, K., [Serrano, L.](#), Samali, A., & Gorman, A. M. (2018). Generation of rationally-designed nerve growth factor (NGF) variants with receptor specificity. *Biochemical and Biophysical Research Communications*, 495(1), 700-705. [10.1016/j.bbrc.2017.11.003](https://doi.org/10.1016/j.bbrc.2017.11.003)


[Cerrillo, M.](#), Viñas, M., & Bonmatí, A. (2018). Anaerobic digestion and electromethanogenic microbial electrolysis cell integrated system: Increased stability and recovery of ammonia and methane. *Renewable Energy*, 120, 178-189. [10.1016/j.renene.2017.12.062](https://doi.org/10.1016/j.renene.2017.12.062)

[Claramunt, J.](#), Fernandez-Carrasco, L., & Ardanuy, M. (2018). Mechanical performance of flax nonwoven-calcium aluminate cement composites [10.1007/978-94-024-1194-2_44](https://doi.org/10.1007/978-94-024-1194-2_44) .

Dankar, I., Haddarah, A., El Omar, F., [Sepulcre, F.](#), & [Pujolà, M.](#) (2018). Assessing the microstructural and rheological changes induced by food additives on potato puree. *Food Chemistry*, 240, 304-313. [10.1016/j.foodchem.2017.07.121](https://doi.org/10.1016/j.foodchem.2017.07.121)

Diaz-Ruiz, R., Costa-Font, M., & [Gil, J. M.](#) (2018). Moving ahead from food-related behaviours: An alternative approach to understand household food waste generation. *Journal of Cleaner Production*, 172, 1140-1151. [10.1016/j.jclepro.2017.10.148](https://doi.org/10.1016/j.jclepro.2017.10.148)

Edwiges, T., Frare, L., Mayer, B., Lins, L., Mi Triolo, J., [Flotats, X.](#), & de Mendonça Costa, M. S. S. (2018). Influence of chemical composition on biochemical methane potential of fruit and vegetable waste. *Waste Management*, 71, 618-625. [10.1016/j.wasman.2017.05.030](https://doi.org/10.1016/j.wasman.2017.05.030)

- Escobar, C., [Kallas, Z.](#), & [Gil, J. M.](#) (2018). Consumers' wine preferences in a changing scenario. *British Food Journal*, 120(1), 18-32. [10.1108/BFJ-02-2017-0070](#)
- Expósito, A., Munera, M., Giné, A., López-Gómez, M., Cáceres, A., Picó, B., Gisbert, C., Medina, V., [Sorribas, F. J.](#) (2018). Cucumis metuliferus is resistant to root-knot nematode Mi1.2 gene (a)virulent isolates and a promising melon rootstock. *Plant Pathology*, [10.1111/ppa.12815](#)
- [Gil, E.](#), Llorens, J., [Gallart, M.](#), Gil-Ribes, J. A., & Miranda-Fuentes, A. (2018). First attempts to obtain a reference drift curve for traditional olive grove's plantations following ISO 22866. *Science of the Total Environment*, 627, 349-360. [10.1016/j.scitotenv.2018.01.229](#)
- [Ginovart, M.](#), [Carbó, R.](#), [Blanco, M.](#), & Portell, X. (2018). Digital image analysis of yeast single cells growing in two different oxygen concentrations to analyze the population growth and to assist individual-based modeling. *Frontiers in Microbiology*, 8 (JAN) [10.3389/fmicb.2017.02628](#) 
- [Gordún, E.](#), Puig, A., Piñol, L., & [Carbó, R.](#) (2018). Identification of yeast isolated from laboratory sourdoughs prepared with grape, apple, and yogurt. *Journal of Microbiology, Biotechnology and Food Sciences*, 7(4), 399-403. [10.15414/jmbfs.2018.7.4.399-403](#)
- Miranda-Fuentes, A., Marucco, P., González-Sánchez, E. J., [Gil, E.](#), Grella, M., & Balsari, P. (2018). Developing strategies to reduce spray drift in pneumatic spraying in vineyards: Assessment of the parameters affecting droplet size in pneumatic spraying. *Science of the Total Environment*, 616-617, 805-815. [10.1016/j.scitotenv.2017.10.242](#)
- Osorio, M., Moreno, F. L., [Raventós, M.](#), [Hernández, E.](#), & Ruiz, Y. (2018). Progressive stirred freeze-concentration of ethanol-water solutions. *Journal of Food Engineering*, 224, 71-79. [10.1016/j.jfoodeng.2017.12.026](#)
- Torrellas, M., Burgos, L., Tey, L., Noguerol, J., Riau, V., Palatsi, J., Antón, A., [Flotats, X.](#), Bonmatí, A. (2018). Different approaches to assess the environmental performance of a

cow manure biogas plant. *Atmospheric Environment*, 177, 203-213.
[10.1016/j.atmosenv.2018.01.023](https://doi.org/10.1016/j.atmosenv.2018.01.023)

Waki, M., Yasuda, T., Fukumoto, Y., Béline, F., & [Magrí, A.](#) (2018). Treatment of swine wastewater in continuous activated sludge systems under different dissolved oxygen conditions: Reactor operation and evaluation using modelling. *Bioresource Technology*, 250, 574-582. [10.1016/j.biortech.2017.11.078](https://doi.org/10.1016/j.biortech.2017.11.078)

Wilmoth, J. L., Doak, P. W., Timm, A., Halsted, M., Anderson, J. D., [Ginovart, M.](#), [Prats, C.](#), Portell, X., Retterer, S.T., Fuentes-Cabrera, M. (2018). A microfluidics and agent-based modeling framework for investigating spatial organization in bacterial colonies: The case of pseudomonas aeruginosa and H1-type VI secretion interactions. *Frontiers in Microbiology*, 9(FEB)[10.3389/fmicb.2018.00033](https://doi.org/10.3389/fmicb.2018.00033)



EETAC + ESAB

Velasco, J. E., Concustell, A., [Pineda, E.](#), & [Crespo, D.](#) (2018). Study of medium range reordering by plastic deformation in Cu₄₆Zr₄₆Al₈. *Journal of Alloys and Compounds*, 744, 34-40. [10.1016/j.jallcom.2018.01.370](https://doi.org/10.1016/j.jallcom.2018.01.370)